

Claim Amendments

Claim 1 (currently-amended). An electro-optical module configuration, comprising:

an electro-optical module including:

a module body disposed on a printed circuit board, said module body having a planar top side;

a mechanical coupling block exclusively supported on said planar top side of said module body;

an optical connector interface ~~being a separate part disposed at said top side of said module body~~ disposed in said mechanical coupling block;

an electro-optical converter disposed in said module body;

a fiber optic waveguide segment having an end region; and

a connector accommodating said end region of said fiber optic waveguide segment, said connector being connectable to said optical connector interface for optically connecting said end region.

Claim 2 (original). The electro-optical module configuration according to claim 1, wherein said connector includes catch elements for connecting said connector to said module body.

Claim 3 (original). The electro-optical module configuration according to claim 1, wherein:

said electro-optical module has a bottom side;

said fiber optic wave guide segment has a region projecting from said connector; and

said connector and said region of said fiber optic waveguide segment projecting from said connector extend at a height of more than 3 mm above said bottom side of said electro-optical module.

Claim 4 (original). The electro-optical module configuration according to claim 1, wherein said electro-optical module is configured as a surface-mountable module.

Claim 5 (original). The electro-optical module configuration according to claim 1, wherein said end region of said fiber optic waveguide segment is oriented essentially horizontally in a mounted state, and said optical connector interface includes a beam deflector for deflecting a beam path between

said electro-optical converter and said end region of said fiber optic waveguide segment.

Claim 6 (currently-amended). In combination with a printed circuit board having a surface, an electro-optical module, comprising:

a module body disposed on a printed circuit board, said module body having a planar top side;

a mechanical coupling block exclusively supported on said planar top side of said module body;

~~an optical connector interface being a separate part disposed at said top side of said module body~~ disposed in said mechanical coupling block;

an electro-optical converter disposed in said module body;

a fiber optic waveguide segment having an end region;

a connector accommodating said end region of said fiber optic waveguide segment, said connector being connectable to said optical connector interface for optically connecting said end region;

said end region of said fiber optic waveguide segment, in a mounted state, being oriented essentially parallel to the surface of the printed circuit board; and

said optical connector interface including a beam deflector for deflecting a beam path between said electro-optical converter and said end region of said fiber optic waveguide segment.

Claim 7 (previously-added). The electro-optical module configuration according to claim 1, wherein said connector interface is formed as one piece.

Claim 8 (previously-amended). The electro-optical module configuration according to claim 2, wherein said connector interface includes laterally extending grooves formed therein for guiding and fixing said catch elements.

Claim 9 (currently-amended). In combination with a printed circuit board having a surface, an electro-optical module, comprising:

a module body disposed on the printed circuit board, said module body having a planar top side;

a mechanical coupling block exclusively supported on said planar top side of said module body;

~~an optical connector interface being a separate part disposed at said top side of said module body~~ disposed in said mechanical coupling block;

an electro-optical converter disposed in said module body;

a fiber optic waveguide segment having an end region; and

a connector to be connected to said optical connector interface for optically connecting said end region of said fiber optic waveguide segment, said connector accommodating said end region.

Claim 10 (new). An electro-optical module configuration, comprising:

an electro-optical module including:

a module body disposed on a printed circuit board, said module body having a planar top side;

an electro-optical converter disposed in said module body;

a fiber optic waveguide segment having an end region oriented substantially horizontally in a mounted state;

an optical connector interface being a separate part disposed at said top side of said module body, said optical connector interface having a beam deflector for deflecting a beam path between said electro-optical converter and said end region of said fiber optic waveguide segment; and

a connector accommodating said end region of said fiber optic waveguide segment, said connector being connectable to said optical connector interface for optically connecting said end region.